

## SOFTWARE SELF-REPAIR TOOLKIT FOR ELECTRONIC DEVICES

### ABSTRACT OF THE DISCLOSURE

[0048] A device and method supporting the identification and correction of firmware and/or software errors is described. Upon the occurrence of a firmware/software error or exception, an embodiment in accordance with the present invention may gather parameters for identifying the error or exception, and the execution environment in which the error occurred, and may communicate the parameters or an identifier to a server, to retrieve update information for correcting the firmware/software error or exception. The execution environment may be single or multi-threaded, and may be a java virtual machine. The device may restart/reboot during the update process, and may log an error if update information is not available to correct the error or exception. The device may communicate the error log information to the server via the communication network. The communication network may be a wireless network.